



# Missouri Weekly Influenza Report

## 2006-2007 Season<sup>1</sup>

**Missouri is reporting “Local Influenza Activity” to the CDC for Week 1<sup>2</sup>.**

[To view weekly maps click here.](#)

**TABLE 1. Reported Laboratory-Confirmed Cases by Sub-type  
For the Week Ending January 6, 2007 (Week 1)**

Serogroups	A (non-typed)	A (H1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 1	354	1	0	49	208	612
Season-to-Date*	2504	4	0	366	952	3,826

\*The influenza season begins Week 40 (week ending October 7, 2006) and ends Week 20 (week ending May 19, 2007).

**TABLE 2. Clusters/Outbreaks of Influenza-like Illness  
For the Week Ending January 6, 2007 (Week 1)**

Health Region	Central	Eastern	NW	SE	SW	Current Week Total	Season -to- Date 06-07	Season -to - Date 05-06
School Closings	0	0	0	0	0	0	2	0
Community Outbreaks	0	0	0	0	0	0	0	0
Long Term Care or Institutional Outbreaks	0	0	0	0	0	0	0	1
Other Outbreaks	0	0	0	0	0	0	0	0
Season-to-Date by Region	0	0	0	2	0			

**TABLE 3. Deaths Involving Pneumonia and Influenza (P&I)  
Reported During the Week Ending December 30, 2006 (Week 52)<sup>\*</sup>**

Week 52	Season-to-Date	Week 52 Last Season	5 Year Weekly Median
61	907	64	53

\* Beginning in week 35 of 2003, the number of P&I deaths became based on a new system of retrieval that now includes all contributing causes of death from death certificates.

**TABLE 4. U.S. Influenza Sentinel Physicians Surveillance Network (US ISPSN)  
Influenza-like Illness (ILI) for the Week Ending December 30, 2006 (Week 52)**

Age 0-4	Age 5-24	Age 25-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
32	30	20	2	84	2606	3.22*

\* This is above the national baseline of 2.5%.

**TABLE 5. Respiratory Specimens Submitted to SPHL for Viral Testing  
For the Week Ending January 6, 2007 (Week 1)**

	Positive Specimens						Total Number Specimens Submitted
	Influenza	Para- influenza	Respiratory Syncytial Virus (RSV)	Adeno- virus	Rhino- virus	Entero- virus	
Week 1	5	0	0	0	0	0	5
Season-to-Date	15	3	0	3	0	1	48

### **Antigenic Characterization of Missouri Influenza Isolates submitted to CDC by the State Public Health Laboratory**

CDC antigenically characterizes a sample of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services (DHSS), State Public Health Laboratory (SPHL). DHSS has submitted eight influenza isolates this season to CDC for antigenic characterization.

#### **Results Received from CDC:**

CDC has antigenically characterized four of those isolates so far this season: two as Influenza A/Hawaii/15/2001-like (H1N1) viruses and two as Influenza A/New Caledonia/20/99-like (H1N1) viruses.

Isolates were characterized by hemagglutination-inhibition using post-infection ferret antisera and are related antigenically to A/Hawaii/15/2001, a minor antigenic variant of A/New Caledonia/20/99. A/New Caledonia/20/99 is the WHO recommended H1 component of the 2006-2007 vaccine for the Northern Hemisphere and 2007 vaccine for the Southern Hemisphere.

**Data Sources:** Laboratory-confirmed cases are reported to DHSS through the passive communicable disease surveillance system. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital

Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Influenza Sentinel Physicians Surveillance Network.

### **Find Us on the Web**

This report may also be found on the DHSS Internet at: [www.dhss.state.mo.us/Influenza/index.html](http://www.dhss.state.mo.us/Influenza/index.html).

National influenza surveillance information is available from the Centers for Disease Control and Prevention at: [www.cdc.gov/ncidod/diseases/flu/weekly.htm](http://www.cdc.gov/ncidod/diseases/flu/weekly.htm).

### **Contact Us**

The Missouri Department of Health and Senior Services after hours number for reporting disease cases and emergencies is **1-800-392-0272**.

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<sup>1</sup>

*All data in this report are provisional and may change as reports are updated.*

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*Influenza activity codes are reported to CDC each Monday.*

